

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF071522.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jul 15 12:55:49 2022
 Response Via : Initial Calibration

Calibration Files

5 =BF129228.D 10 =BF129229.D 20 =BF129230.D 40 =BF129231.D 50 =BF129232.D 60 =BF129233.D 80 =BF129234.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.591	0.567	0.627	0.566	0.562	0.554	0.527	0.571	5.44
3) Pyridine	1.413	1.425	1.576	1.441	1.490	1.505	1.420	1.467	4.09
4) n-Nitrosodimet...	0.697	0.681	0.749	0.684	0.697	0.690	0.655	0.693	4.10
5) S 2-Fluorophenol	1.434	1.376	1.422	1.187	1.136	1.142	1.069	1.252	12.22
6) Aniline	2.016	1.989	2.078	1.849	1.839	1.862	1.688	1.903	6.97
7) S Phenol-d6	1.823	1.759	1.799	1.555	1.503	1.515	1.385	1.620	10.60
8) 2-Chlorophenol	1.478	1.436	1.488	1.268	1.219	1.227	1.115	1.319	11.19
9) Benzaldehyde	1.164	1.091	1.034	0.822	0.835	1.029	0.982	0.994	12.72
10) C Phenol	1.789	1.735	1.834	1.574	1.522	1.547	1.388	1.627	9.98
11) bis(2-Chloroet...	1.453	1.404	1.462	1.270	1.256	1.245	1.146	1.320	9.15
12) 1,3-Dichlorobe...	1.574	1.510	1.582	1.342	1.307	1.304	1.196	1.402	10.83
13) C 1,4-Dichlorobe...	1.596	1.563	1.594	1.361	1.296	1.315	1.204	1.418	11.45
14) 1,2-Dichlorobe...	1.541	1.508	1.514	1.255	1.177	1.186	1.072	1.322	14.68
15) Benzyl Alcohol	1.032	1.105	1.223	1.101	1.064	1.072	0.954	1.079	7.55
16) 2,2'-oxybis(1-...	2.346	2.268	2.319	2.026	1.985	1.970	1.804	2.103	9.90
17) 2-Methylphenol	1.349	1.133	1.226	1.041	1.028	1.030	0.952	1.108	12.42
18) Hexachloroethane	0.569	0.557	0.592	0.514	0.510	0.503	0.466	0.530	8.29
19) P n-Nitroso-di-n...	1.092	1.053	1.046	0.893	0.884	0.884	0.816	0.953	11.30
20) 3+4-Methylphenols	1.622	1.526	1.551	1.289	1.215	1.239	1.095	1.362	14.79
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.521	0.508	0.519	0.435	0.425	0.427	0.396	0.462	11.38
23) S Nitrobenzene-d5	0.396	0.382	0.410	0.361	0.362	0.363	0.344	0.374	6.12
24) Nitrobenzene	0.378	0.363	0.390	0.345	0.343	0.345	0.327	0.356	6.15
25) Isophorone	0.663	0.640	0.666	0.611	0.610	0.618	0.594	0.629	4.45
26) C 2-Nitrophenol	0.172	0.175	0.193	0.179	0.180	0.181	0.172	0.179	4.10
27) 2,4-Dimethylph...	0.280	0.282	0.296	0.277	0.274	0.277	0.260	0.278	3.74
28) bis(2-Chloroet...	0.445	0.442	0.457	0.408	0.400	0.401	0.378	0.419	6.94
29) C 2,4-Dichloroph...	0.287	0.281	0.302	0.269	0.270	0.273	0.254	0.276	5.49
30) 1,2,4-Trichlor...	0.311	0.305	0.317	0.278	0.271	0.271	0.254	0.287	8.41
31) Naphthalene	1.083	1.026	1.064	0.912	0.868	0.875	0.806	0.948	11.47
32) Benzoic acid	0.181	0.185	0.217	0.223	0.235	0.240	0.231	0.216	11.09
33) 4-Chloroaniline	0.432	0.416	0.433	0.377	0.370	0.373	0.350	0.393	8.47
34) C Hexachlorobuta...	0.175	0.171	0.179	0.155	0.153	0.152	0.145	0.161	8.30
35) Caprolactam	0.092	0.090	0.096	0.090	0.093	0.094	0.088	0.092	3.14
36) C 4-Chloro-3-met...	0.320	0.307	0.327	0.293	0.290	0.295	0.278	0.301	5.79
37) 2-Methylnaphth...	0.710	0.670	0.688	0.587	0.564	0.573	0.531	0.618	11.35
38) 1-Methylnaphth...	0.681	0.651	0.667	0.568	0.546	0.557	0.511	0.597	11.31

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.548	0.539	0.557	0.482	0.456	0.467	0.431	0.497	10.09
41) P	Hexachlorocycl...	0.221	0.235	0.273	0.260	0.257	0.258	0.248	0.250	7.01
42) S	2,4,6-Tribromo...	0.201	0.200	0.203	0.179	0.175	0.177	0.165	0.186	8.19
43) C	2,4,6-Trichlor...	0.384	0.375	0.404	0.359	0.353	0.356	0.332	0.366	6.46
44)	2,4,5-Trichlor...	0.393	0.405	0.431	0.384	0.374	0.377	0.348	0.387	6.72
45) S	2-Fluorobiphenyl	1.467	1.382	1.360	1.087	1.012	1.033	0.922	1.180	18.33
46)	1,1'-Biphenyl	1.631	1.571	1.607	1.353	1.275	1.298	1.167	1.415	13.12
47)	2-Chloronaphth...	1.255	1.216	1.256	1.072	1.019	1.028	0.954	1.114	11.24
48)	2-Nitroaniline	0.365	0.366	0.408	0.377	0.371	0.376	0.356	0.374	4.42
49)	Acenaphthylene	1.918	1.822	1.906	1.623	1.528	1.543	1.399	1.677	12.22
50)	Dimethylphthalate	1.456	1.377	1.417	1.239	1.223	1.228	1.144	1.298	9.06
51)	2,6-Dinitrotol...	0.285	0.283	0.307	0.280	0.276	0.278	0.258	0.281	5.12
52) C	Acenaphthene	1.226	1.183	1.217	1.062	1.006	1.031	0.950	1.096	10.13
53)	3-Nitroaniline	0.341	0.334	0.367	0.331	0.327	0.331	0.316	0.335	4.73
54) P	2,4-Dinitrophenol	0.111	0.128	0.160	0.159	0.164	0.170	0.162	0.151	14.70
55)	Dibenzofuran	1.812	1.711	1.770	1.486	1.401	1.428	1.286	1.556	13.22
56) P	4-Nitrophenol	0.257	0.257	0.285	0.268	0.268	0.268	0.255	0.265	3.94
57)	2,4-Dinitrotol...	0.370	0.380	0.404	0.367	0.359	0.365	0.333	0.368	5.82
58)	Fluorene	1.405	1.330	1.345	1.115	1.051	1.075	0.964	1.184	14.60
59)	2,3,4,6-Tetrac...	0.316	0.314	0.325	0.294	0.286	0.294	0.265	0.299	6.90
60)	Diethylphthalate	1.436	1.359	1.415	1.202	1.153	1.160	1.062	1.255	11.66
61)	4-Chlorophenyl...	0.651	0.613	0.616	0.513	0.492	0.501	0.452	0.548	13.99
62)	4-Nitroaniline	0.333	0.334	0.357	0.326	0.331	0.335	0.309	0.332	4.28
63)	Azobenzene	1.517	1.442	1.479	1.304	1.241	1.250	1.146	1.340	10.47
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.107	0.119	0.136	0.129	0.132	0.136	0.126	0.126	8.26
66) c	n-Nitrosodiphe...	0.711	0.697	0.710	0.616	0.579	0.603	0.551	0.638	10.42
67)	4-Bromophenyl-...	0.229	0.229	0.233	0.203	0.197	0.199	0.184	0.211	9.31
68)	Hexachlorobenzene	0.242	0.238	0.245	0.213	0.204	0.211	0.194	0.221	9.18
69)	Atrazine	0.212	0.198	0.200	0.167	0.160	0.163	0.138	0.177	15.20
70) C	Pentachlorophenol	0.132	0.131	0.144	0.132	0.129	0.132	0.119	0.131	5.51
71)	Phenanthrene	1.182	1.147	1.150	0.962	0.899	0.934	0.835	1.015	13.85
72)	Anthracene	1.165	1.136	1.140	0.956	0.903	0.927	0.834	1.009	13.38
73)	Carbazole	1.155	1.113	1.140	0.958	0.907	0.942	0.828	1.006	12.82
74)	Di-n-butylphth...	1.345	1.314	1.318	1.079	1.048	1.049	0.939	1.156	14.26
75) C	Fluoranthene	1.201	1.136	1.164	0.954	0.896	0.924	0.803	1.011	15.24
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.730	0.572	0.428	0.495	0.558	0.581	0.555	0.560	16.50
78)	Pyrene	1.622	1.612	1.687	1.595	1.598	1.605	1.620	1.620	1.93
79) S	Terphenyl-d14	1.187	1.131	1.112	1.019	1.012	1.007	1.016	1.069	6.81
80)	Butylbenzylpht...	0.677	0.704	0.765	0.729	0.730	0.741	0.705	0.722	3.99
81)	Benzo(a)anthra...	1.329	1.317	1.384	1.229	1.192	1.222	1.158	1.262	6.53
82)	3,3'-Dichlorob...	0.327	0.329	0.351	0.306	0.304	0.309	0.282	0.316	6.97
83)	Chrysene	1.289	1.272	1.328	1.154	1.134	1.169	1.083	1.204	7.61
84)	Bis(2-ethylhex...	0.986	1.003	1.053	0.946	0.916	0.954	0.862	0.960	6.44
85) c	Di-n-octyl pht...	1.453	1.482	1.542	1.328	1.271	1.359	1.203	1.377	8.82

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.106	1.057	1.222	1.246	1.337	1.337	1.425	1.247	10.57	
88)	Benzo(b)fluora...	1.327	1.242	1.342	1.229	1.143	1.185	1.133	1.229	6.74	
89)	Benzo(k)fluora...	1.242	1.350	1.403	1.136	1.131	1.168	0.973	1.200	12.10	
90) C	Benzo(a)pyrene	1.027	1.015	1.085	0.981	0.968	0.994	0.931	1.000	4.89	
91)	Dibenzo(a,h)an...	0.908	0.877	1.004	1.013	1.070	1.068	1.121	1.009	8.81	
92)	Benzo(g,h,i)pe...	0.870	0.819	0.994	1.036	1.137	1.137	1.226	1.031	14.42	

(#) = Out of Range